

## CHANNEL-BASED INTERNET NETWORK FOR A SATELLITE SYSTEM

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## ABSTRACT

A channel-based Internet access system is implemented using a satellite system. In one embodiment, upstream data transfer from a user terminal to the Internet is provided by a terrestrial communication system, and downstream data transfer from the Internet to the user terminal is provided by a satellite system. In another embodiment, both upstream and downstream data transfer between a user terminal and the Internet are provided by a satellite system. In both embodiments, channel table information (including a plurality of Internet addresses with corresponding channel numbers and channel names) is downloaded from the Internet to the user terminal by the satellite system.